

PCT/EP98/03397

16824P WO

Appendix

5

New Claims 1, 4 and 23

1. Nucleic acid which encodes a heavy chain, which is able to bind to GPIIb/IIIa, of a human antibody, or a functional derivative or a fragment thereof, and comprises a CDR3 region, selected from:
- 10 (a) a nucleotide sequence which encodes the amino acid sequence:
V L P F D P I S M D V, (I)
- 15 (b) a nucleotide sequence which encodes the amino acid sequence
A L G S W G G W D H Y M D V, (II)
and
- 20 (c) a nucleotide sequence which encodes an amino acid sequence having an homology of at least 80% with an amino acid sequence from (a) or (b).
4. Nucleic acid which encodes a light chain, which is able to bind to GPIIb/IIIa, of a human antibody, or a functional derivative or a fragment thereof, and comprises a CDR3 region, selected from:
- 25 (a) a nucleotide sequence which encodes the amino acid sequence:
A T W D D G L N G P V, (VII)
- 30 (b) a nucleotide sequence which encodes the amino acid sequence
A A W D D S L N G W V, (VIII)
and
- 35 (c) a nucleotide sequence which encodes an amino acid sequence having an homology of at least 80% with an amino acid sequence from (a) or (b),

with the proviso that when the nucleic acid encompasses a nucleotide sequence according to (b), it does not simultaneously comprise nucleotide sequences which encode the amino acid sequences SGSSSNIGSNTVN and SNNQRPS, and when the nucleic acid comprises a nucleotide sequence according to (c), it does not simultaneously comprise nucleotide sequences which encode the amino acid sequences SGSSSNIGSNTVN and RNNQRPS.

23. Process for isolating phagemid clones which express nucleic acids which encode autoantibodies against GPIIb/IIIa or encode antiidiotypic antibodies which are directed against these autoantibodies, characterized in that a phagemid library is prepared from lymphocytes obtained from a healthy human donor and the desired phagemid clones are isolated by affinity selection comprising negative and positive selection steps.

vo 29.06.99 09:24